

the control data being recorded separately from the multiplexed coded data, said reproducing apparatus comprising:

a recording medium controller for reading the multiplexed coded data and control data; and

a coded data control section for controlling the reproducing of the multiplexed coded data by controlling the recording medium controller based on the control data;

wherein the control data includes the key-frame location information, the key-frame being at least one of an I-frame and P-frame, key-frame location information including information on a head position of a data-pack including a head of the coded video-data of the key-frame or a head of the coded audio-data corresponding to the key-frame.

10. A reproducing apparatus as defined in claim 1, wherein the key-frame location information also includes information on a head or a tail of coded video-data of the key-frame.

11. A recording apparatus as defined in claim 1, wherein the multiplexed coded data comprises coded audio-data, coded video-data and a header added for multiplexing the coded audio-data with the coded video-data and is recorded on the recording medium as separate data-packs each having the header on a head position.

12. A recording apparatus for recording multiplexed coded data and control data to a recording medium, the multiplexed coded data comprising coded audio-data and coded video-data as a plurality of separate data-packs, the control data being recorded separately from the multiplexed coded data, said recording apparatus comprising:

a recording medium controller for recording the multiplexed coded data and control data; and

a coded data control section for controlling the recording of the control data by controlling the recording medium controller according to the multiplexed coded data;

wherein the control data includes the key-frame location information, the key-frame being at least one of an I-frame and P-frame, the key-frame location information including information on a head position of a data-pack including a head of the coded video-data of the key-frame or a head of the coded audio-data corresponding to the key-frame.

13. A recording apparatus as defined in claim 4, wherein the key-frame location information also includes a head or a tail of the coded video-data of the key-frame.

14. A recording apparatus as defined in claim 4, wherein the multiplexed coded data comprises coded audio-data, coded video-data and a header added for